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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/610,811	07/06/2000	Cheol-Soo Park	Y06-075	5076
7590 01/13/2005 Coleman Sudol Sapone P C 714 Colorado Avenue Bridgeport, CT 06605-1601			EXAMINER TRAN, THAI Q	
			ART UNIT 2616	PAPER NUMBER
DATE MAILED: 01/13/2005				

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/610,811

Applicant(s)

PARK ET AL.

Examiner

Thai Tran

Art Unit

2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 July 2004.
2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-31 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☒ Claim(s) 1-31 is/are allowed.
6) ☐ Claim(s) _____ is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
10) ☒ The drawing(s) filed on 06 July 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 4/1/2004.
4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Election/Restrictions

1. Applicant's election with traverse of Species II (Fig. 4), claims 3-5 in the reply filed on July 19, 2004 is acknowledged. The traversal is on the ground(s) that Species II and III (Figures 4 and 5) are so close that concurrent examination of both species would not constitute an undue burden on the Examiner.

After careful consideration, it is found that species claimed in claims 1-31 are not patentably distinct. Thus, claims 1-31 are examined in this Office Action.

Allowable Subject Matter

2. Claims 1-31 are allowed.

Claims 1-2 are directed to a moving picture indexing and searching method. Independent claim 1 identifies the uniquely distinct feature "describing a motion feature information in terms of a video name, a time stamp and an f-code which is a motion feature range". The closest prior art, Jain et al (US 6,360,234 B2) and Yamada (US 5,657,415) disclose conventional video indexing and searching apparatus, either singularly or in combination, fail to anticipate or render the above underlined limitation obvious.

Claims 3-5 are directed to a moving picture indexing and searching method. Independent claim 3 identifies the uniquely distinct feature "describing a motion feature information in terms of a video name and a time stamp, and a frequency of an Inter mode of No MC, a frequency of an Intra mode of No MC and a frequency of an MC mode obtained by a selected process". The closest prior art, Jain et al (US 6,360,234

B2) and Yamada (US 5,657,415) disclose conventional video indexing and searching apparatus, either singularly or in combination, fail to anticipate or render the above underlined limitation obvious.

Claims 6-8 are directed to a moving picture indexing and searching method.

Independent claim 6 identifies the uniquely distinct feature “describing a motion feature information based on a video name, a time stamp and a frequency of an Inter mode of No MC obtained by a selected process”. The closest prior art, Jain et al (US 6,360,234 B2) and Yamada (US 5,657,415) disclose conventional video indexing and searching apparatus, either singularly or in combination, fail to anticipate or render the above underlined limitation obvious.

Claims 9-11 are directed to a moving picture indexing and searching method.

Independent claim 9 identifies the uniquely distinct feature “describing a motion feature information based on a video name, a time stamp and a frequency of an Intra mode of No MC obtained by a selected process”. The closest prior art, Jain et al (US 6,360,234 B2) and Yamada (US 5,657,415) disclose conventional video indexing and searching apparatus, either singularly or in combination, fail to anticipate or render the above underlined limitation obvious.

Claims 12-14 are directed to a moving picture indexing and searching method.

Independent claim 12 identifies the uniquely distinct feature “describing a motion feature information based on a video name, a time stamp and a frequency of an MC mode obtained by a selected process”. The closest prior art, Jain et al (US 6,360,234 B2) and Yamada (US 5,657,415) disclose conventional video indexing and searching apparatus,

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either singularly or in combination, fail to anticipate or render the above underlined limitation obvious.

Claims 15-20 are directed to a moving picture indexing and searching method. Independent claims 15 and 18 identify the uniquely distinct feature "describing a feature information based on a video name and a time stamp and a frequency of an MC Coded mode and a frequency of an MC Not coded mode obtained by a selected process".

The closest prior art, Jain et al (US 6,360,234 B2) and Yamada (US 5,657,415) disclose conventional video indexing and searching apparatus, either singularly or in combination, fail to anticipate or render the above underlined limitation obvious.

Claims 21-23 are directed to a moving picture indexing and searching method. Independent claim 21 identifies the uniquely distinct feature "describing a motion feature information in terms of a video name, a time stamp and a frequency of an Inter mode of No MC obtained by a selected process, a frequency of an Intra mode of said No MC, a frequency of an MC mode, a frequency of a Coded mode with respect to MC mode and a frequency of Not Coded mode with respect to MC mode". The closest prior art, Jain et al (US 6,360,234 B2) and Yamada (US 5,657,415) disclose conventional video indexing and searching apparatus, either singularly or in combination, fail to anticipate or render the above underlined limitation obvious.

Claims 24-29 are directed to a moving picture indexing and searching method. Independent claims 24, 28, and 28 identify the uniquely distinct feature "classifying a motion vector of a macro block having a video name, a time stamp, MC Not Coded mode, MC Coded mode and No MC Inter mode in accordance with f code, describing

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in terms of f code frequency obtained by a selected process". The closest prior art, Jain et al (US 6,360,234 B2) and Yamada (US 5,657,415) disclose conventional video indexing and searching apparatus, either singularly or in combination, fail to anticipate or render the above underlined limitation obvious.

Claims 30-31 are directed to a moving picture indexing and searching method. Independent claim 30 identifies the uniquely distinct feature "describing a feature information in terms of a video name and a time stamp and a frequency of an Inter mode of No MC and a frequency of an Intra mode of No MC obtained by a selected process". The closest prior art, Jain et al (US 6,360,234 B2) and Yamada (US 5,657,415) disclose conventional video indexing and searching apparatus, either singularly or in combination, fail to anticipate or render the above underlined limitation obvious.

3. This application is in condition for allowance except for the following formal matters:

MPEP 608.01(m) states that each claim begins with capital letter and ends with a period. Claims 5, 8, 11, 14, 17, 20, 23, 25, 27, 29, and 31 are not end with periods.

Appropriate correction is required.

In claim 15, line 5, "MC_Not_coded mode" should be changed to MC_Not_Coded mode--.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

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A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

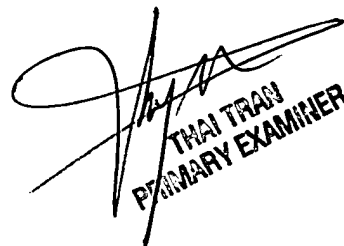
The cited references relate to an apparatus for recording/reproducing video signal.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thai Tran whose telephone number is (703) 305-4725. The examiner can normally be reached on Mon. to Friday, 8:00 AM to 5:30 PM.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TTQ


THAI TRAN
PRIMARY EXAMINER